

Figure 1

TABLE 2A

| | | | | | | | |
|---------|----------|----------|----------|----------|---------|---------|---------|
| SP 0 | SP 4 | C 8 | C 12 | C 16 | C 20 | C 24 | C 28 |
| R 1 | SP 5 | C 9 | C 13 | C 17 | C 21 | C 25 | C 29 |
| R 2 | SP 6 | SP 10 | SP 14 | SP 18 | C 22 | C 26 | C 30 |
| SP 3 | SP 7 | R 11 | R 15 | SP 19 | C 23 | C 27 | C 31 |
| C 32 | SP 36 | SP 40 | SP 44 | SP 48 | C 52 | C 56 | C 60 |
| C 33 | C 37 | C 41 | C 45 | C 49 | C 53 | C 57 | C 61 |
| C 34 | C 38 | C 42 | C 46 | C 50 | C 54 | C 58 | C 62 |
| C 35 | C 39 | C 43 | C 47 | C 51 | C 55 | C 59 | C 63 |

Figure 2A

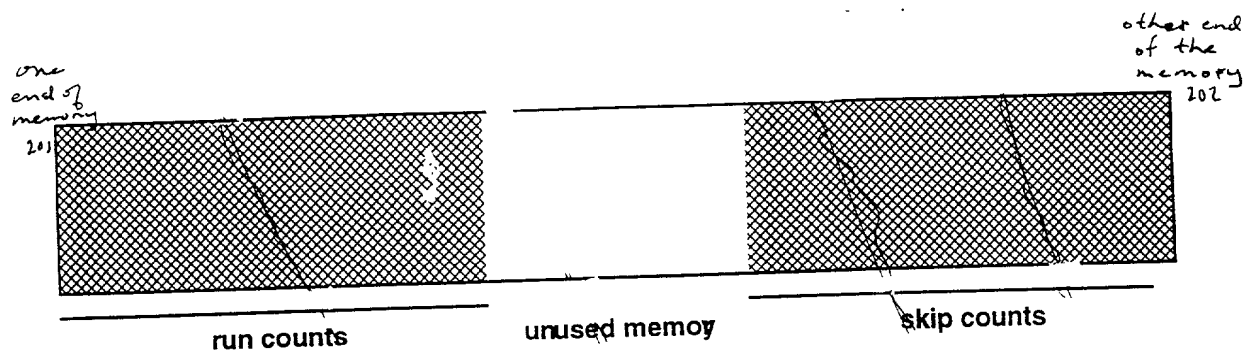


Figure 2B

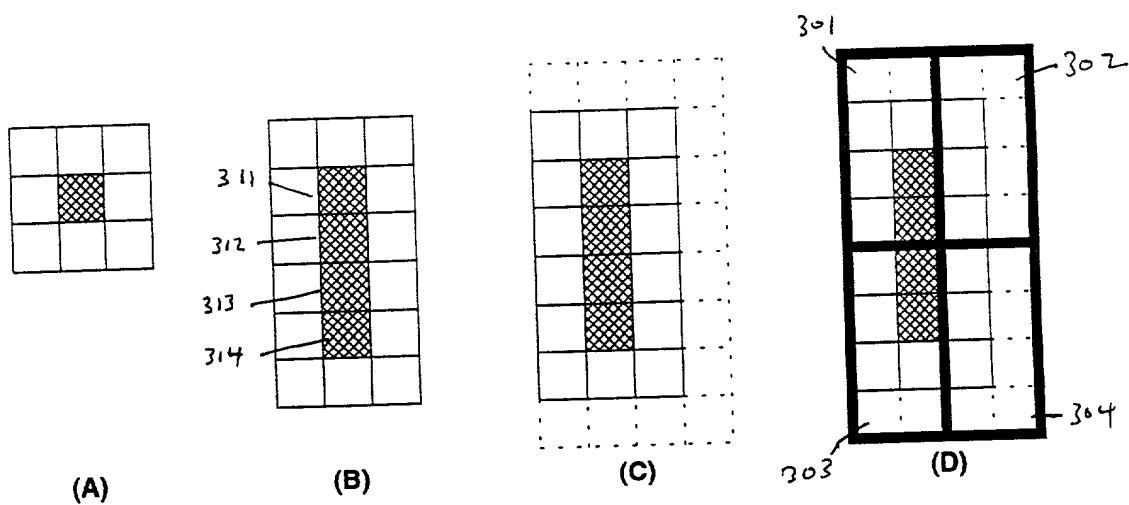
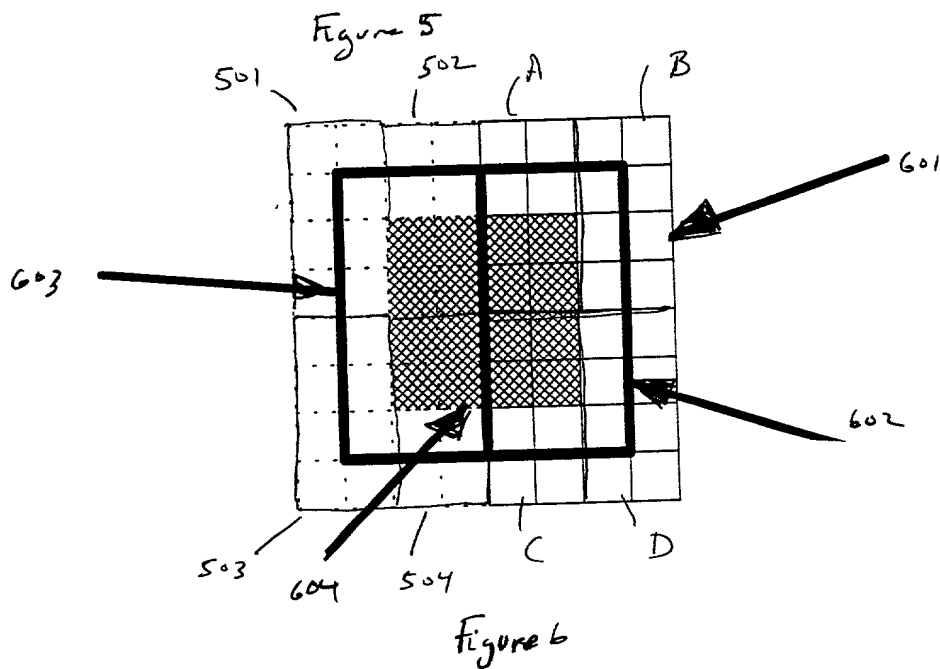
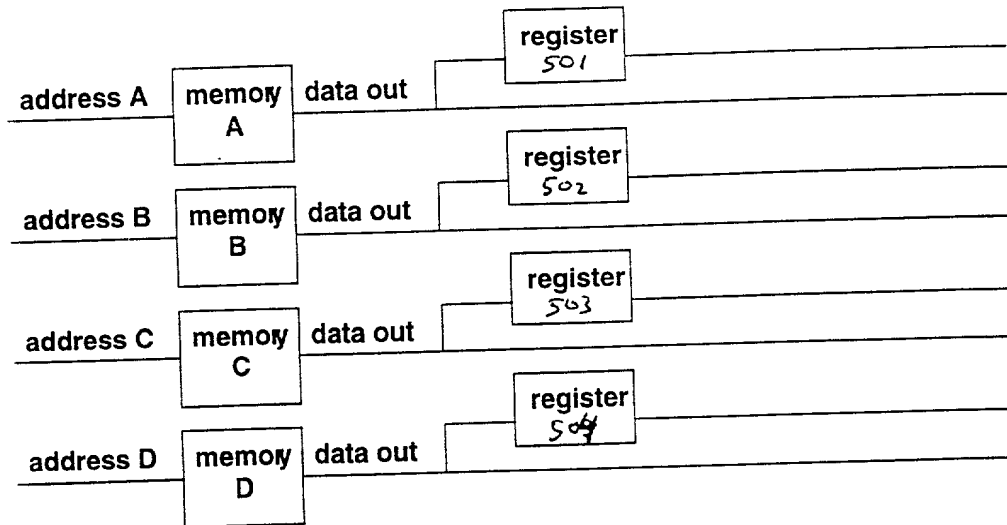


Figure 3

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| 0 | A | B | A | B | A | B | A | B |
| 1 | C | D | C | D | C | D | C | D |
| 2 | A | B | A | B | A | B | A | B |
| 3 | C | D | C | D | C | D | C | D |
| 0 | A | B | A | B | A | B | A | B |

Figure 4

2025-04-23 10:00



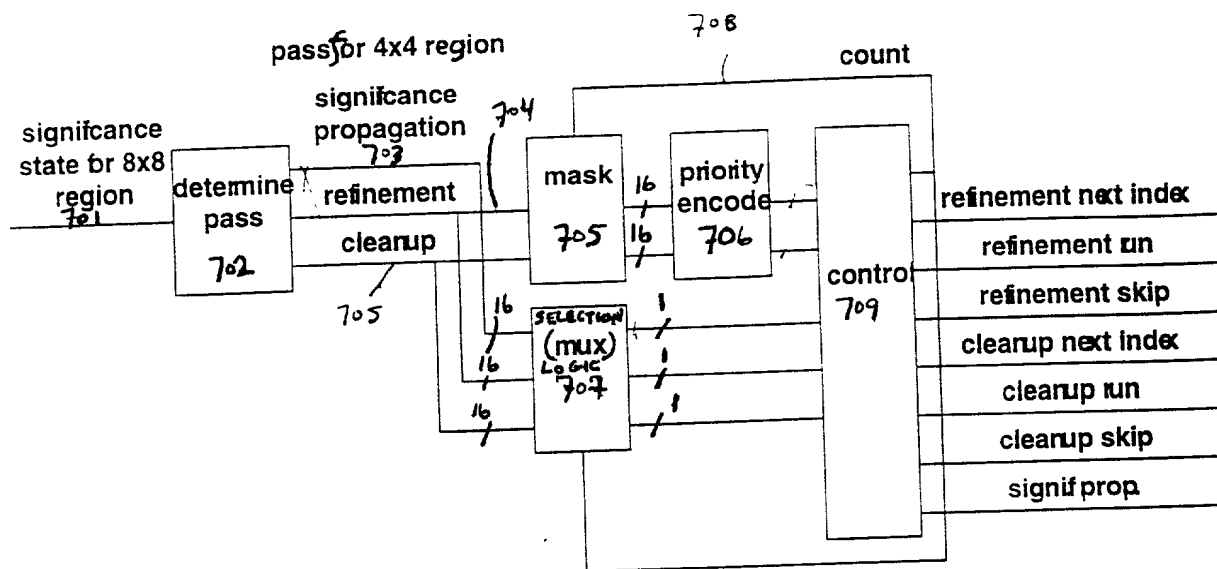


Figure 7

| | | | |
|----|----|----|----|
| SP | SP | SP | SP |
| C | C | C | C |
| SP | SP | SP | SP |
| SP | R | R | SP |

SP = significance propagation
C = cleanup
R = refinement

SP pass: 10*2 for SP pass coefficients
6 for C and R pass coefficients
C pass: 4*2 for C pass coefficients
R pass: 2 for R pass
total: 36 clocks = 2.25 clocks per coefficient

Figure 8

| | 0 | 1 | 2 | 3 |
|---|---|---|---|---|
| 0 | A | A | A | A |
| 1 | B | B | B | B |
| 2 | A | A | A | A |
| 3 | B | B | B | B |
| 0 | A | A | A | A |

Figure 9

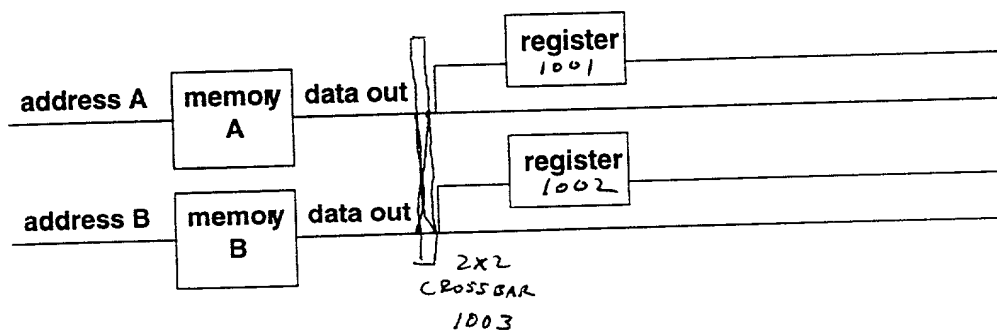


Figure 10

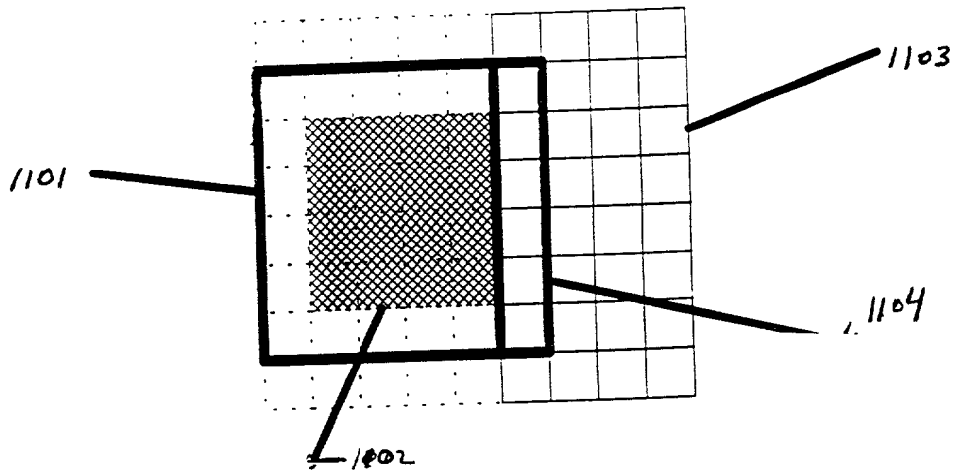


Figure 11

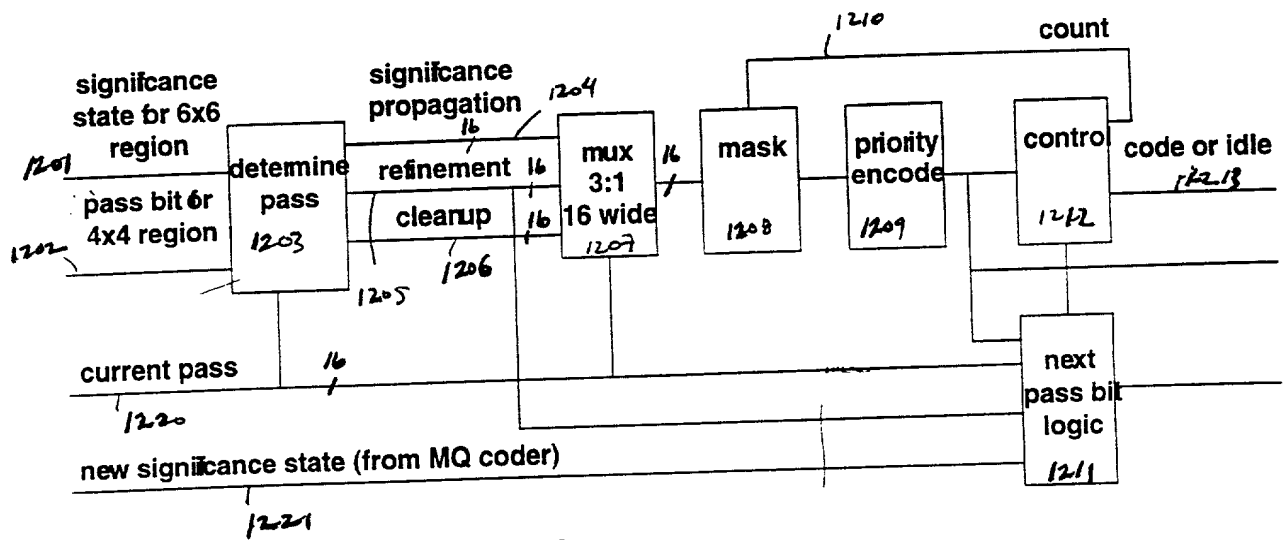


Figure 12

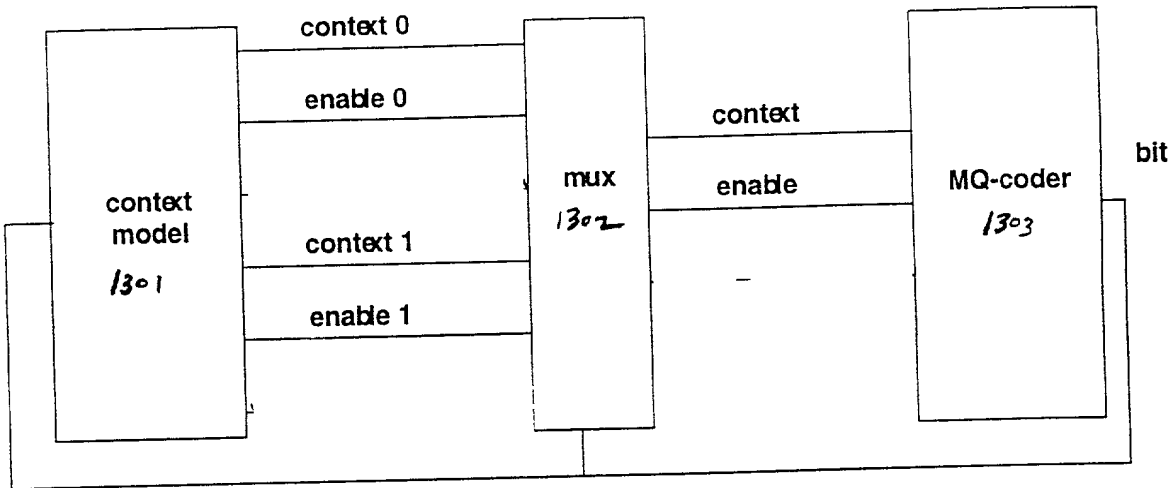


Figure 13

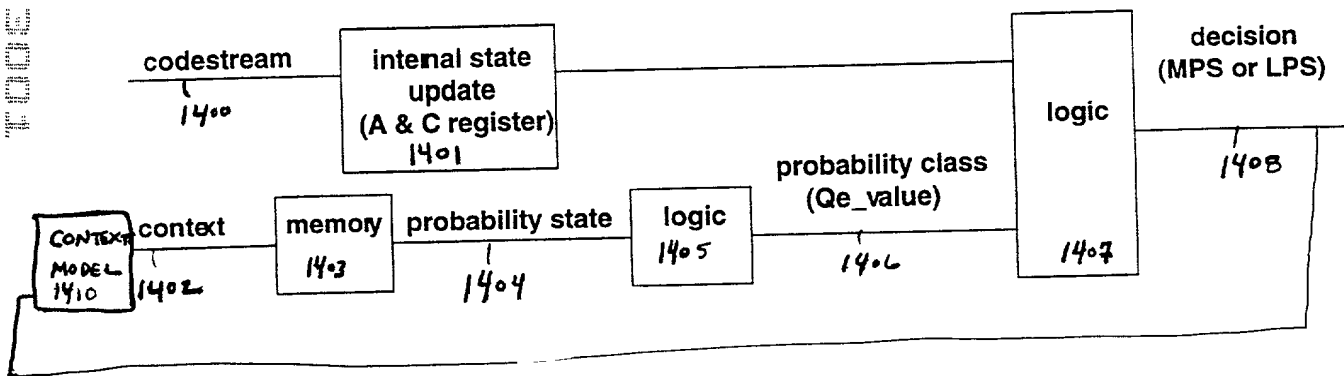


Figure 14A

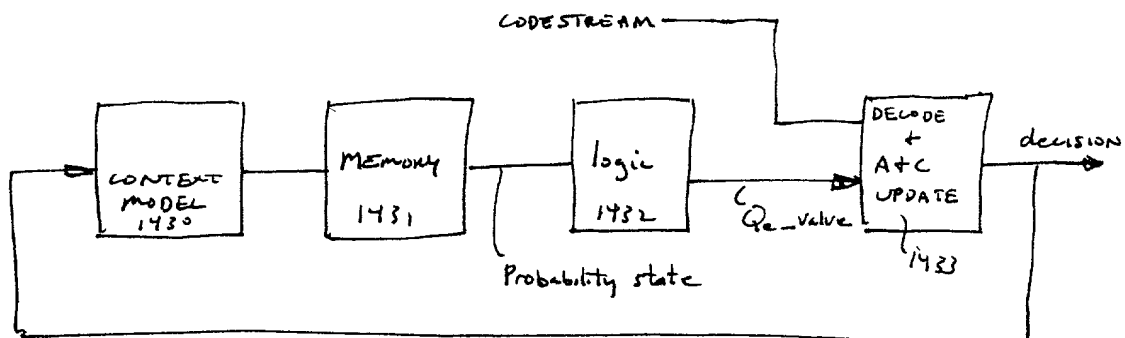


Figure 14B.

FIG. 14B

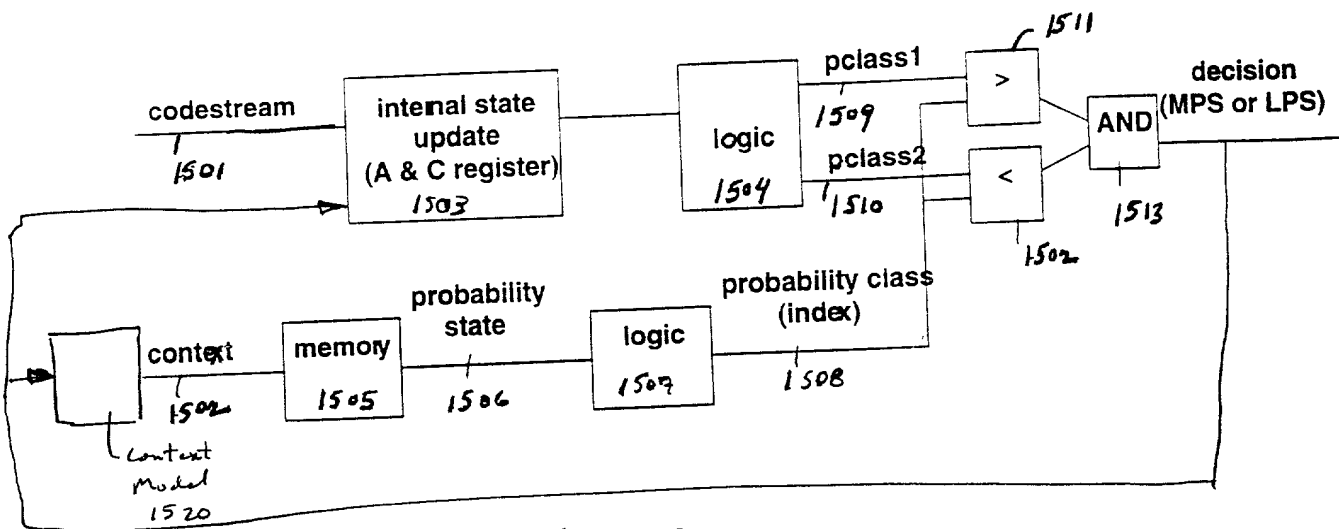


Figure 15

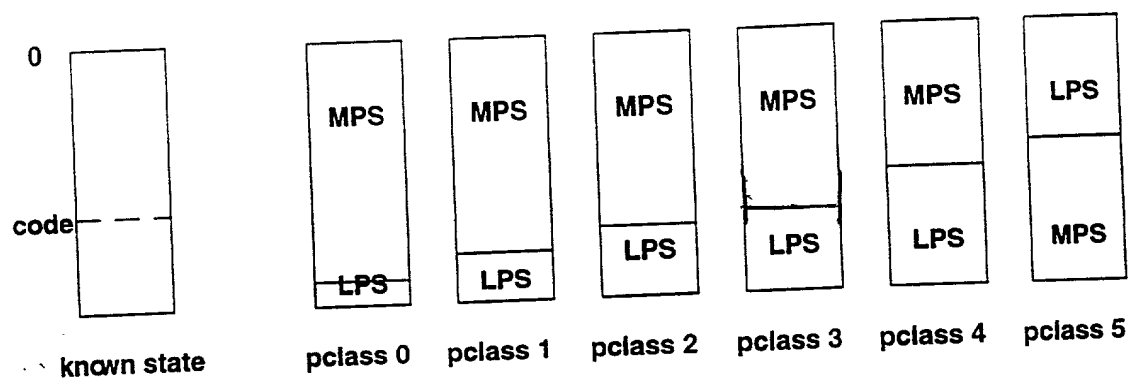


Figure 16A

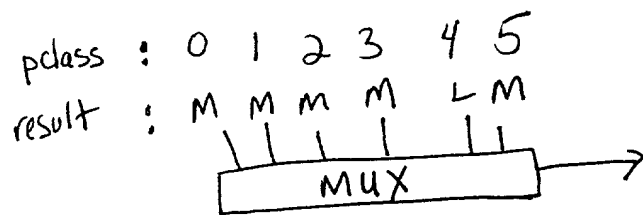


Figure 16B

| |
|-------|
| 5MPS |
| 4 MPS |
| 3 MPS |
| 2 MPS |
| 1 MPS |
| LPS |

Figure 17

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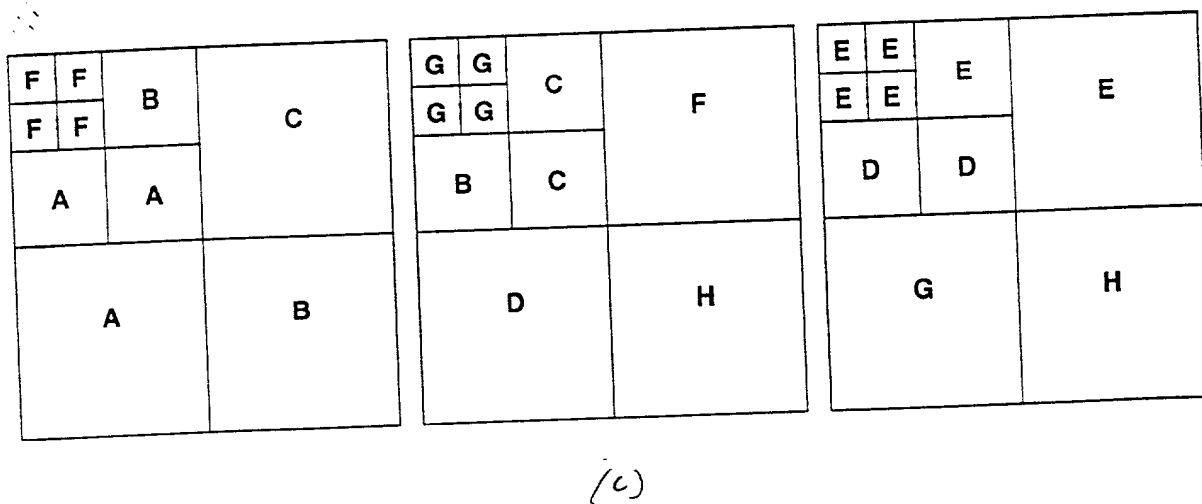
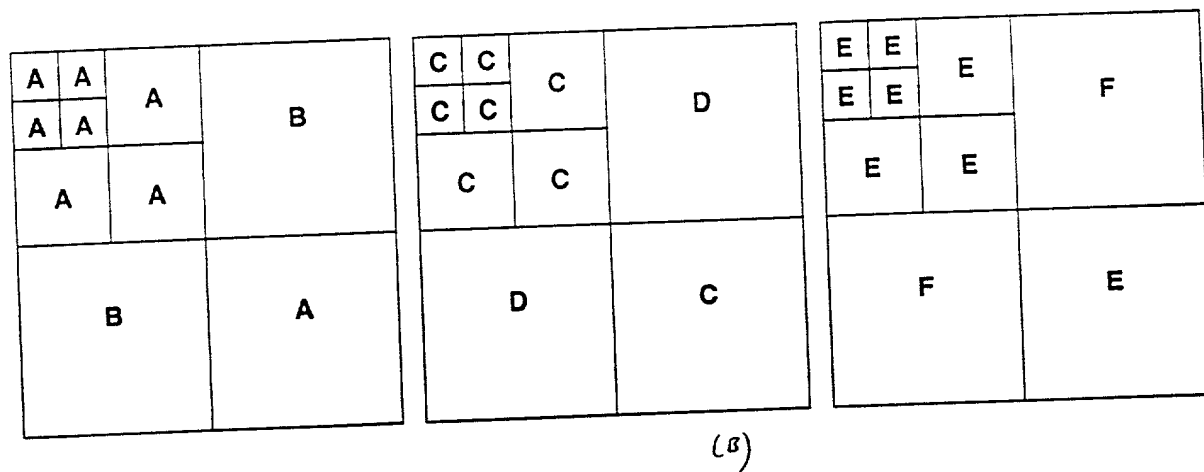
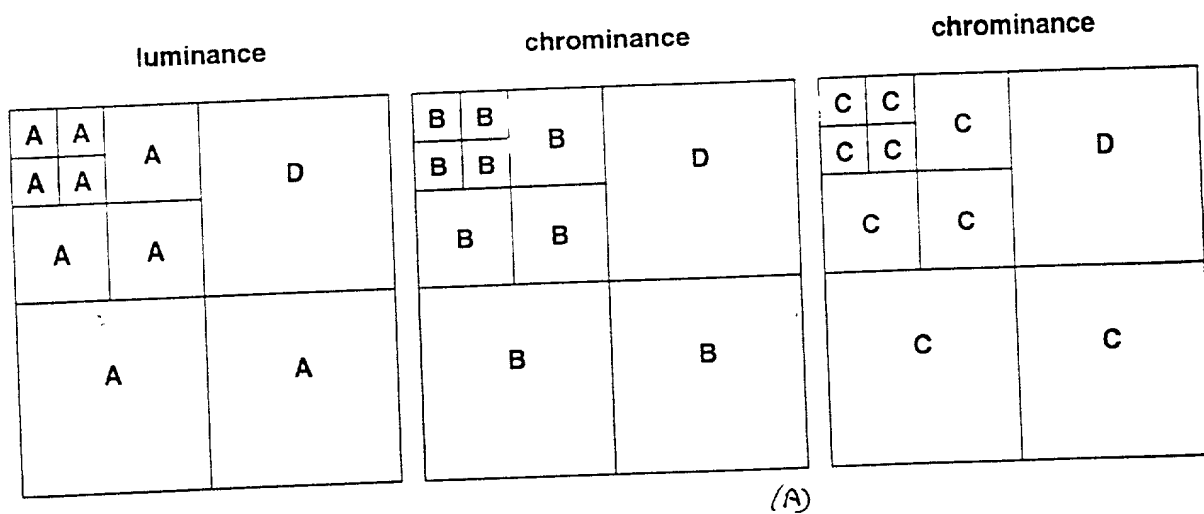


Figure 18

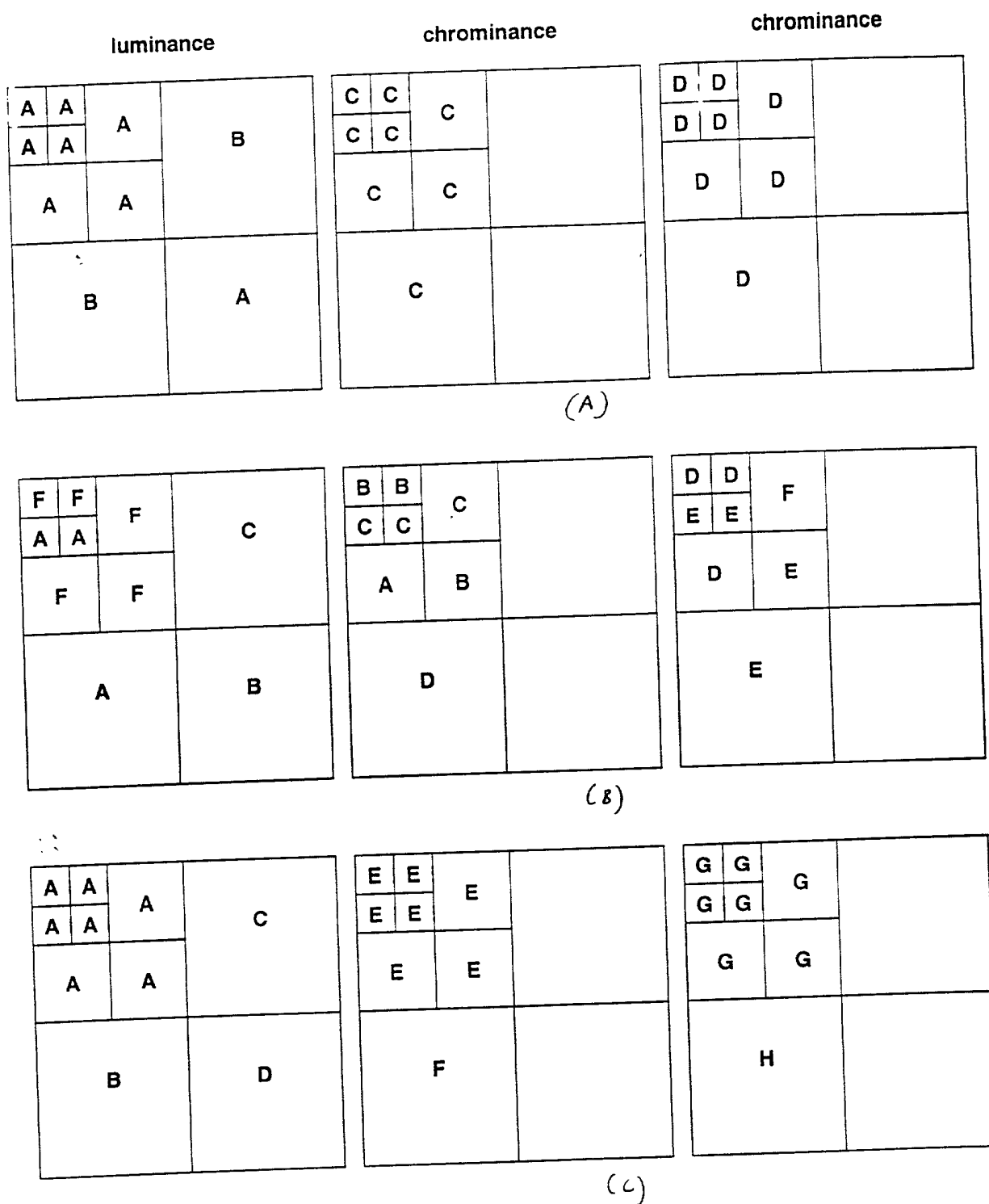


Figure 19

[illegible]

| luminance | | | | chrominance | | | | chrominance | | | |
|-----------|---|---|---|-------------|---|---|--|-------------|---|---|--|
| A | A | D | C | B | B | D | | C | C | D | |
| A | A | | | B | B | | | C | C | | |
| D | | A | | D | | B | | D | | C | |
| A | | | | B | | | | | | | |
| | | | | | | | | | | | |

(A)

| | | | | | |
|---|---|---|---|--|--|
| A | A | A | C | | |
| A | A | | | | |
| A | | A | | | |
| B | | | D | | |

| | | | | |
|---|---|---|--|--|
| E | E | E | | |
| E | E | | | |
| E | | E | | |
| | | | | |

| | | | | |
|---|---|---|--|--|
| F | F | F | | |
| F | F | | | |
| F | | F | | |
| | | | | |

(B)

| | | | |
|---|---|---|---|
| A | A | H | E |
| A | A | | |
| B | | A | |
| C | | | D |

| | | | |
|---|---|---|--|
| F | F | H | |
| F | F | | |
| B | | F | |
| | | | |

| | | | |
|---|---|---|--|
| G | G | H | |
| G | G | | |
| B | | G | |
| | | | |

(4)

Figure 20

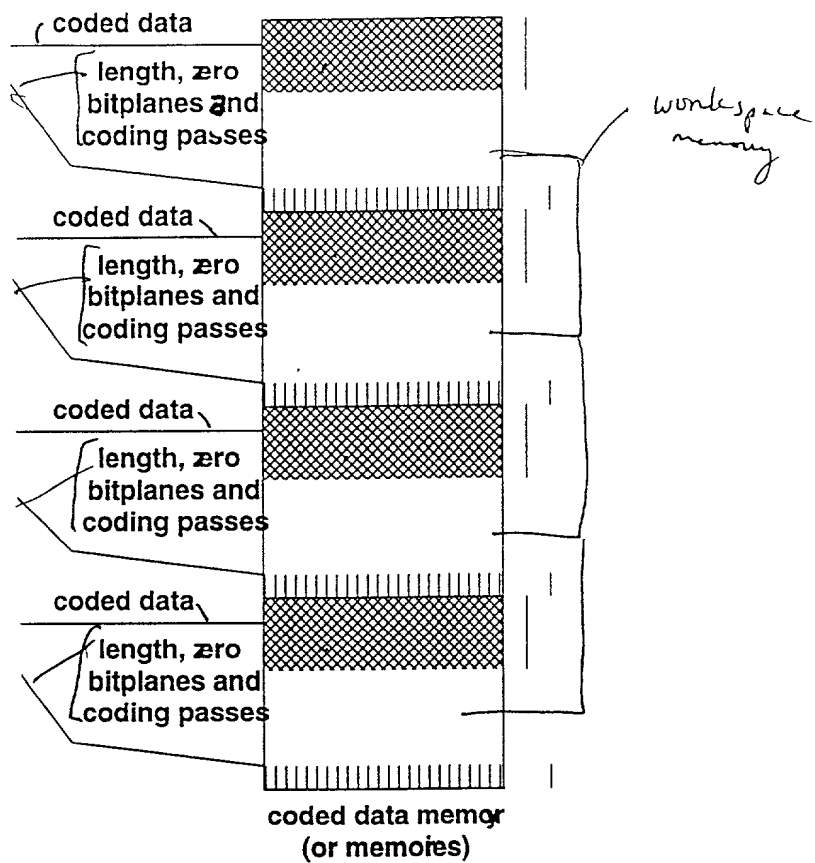


Figure 21

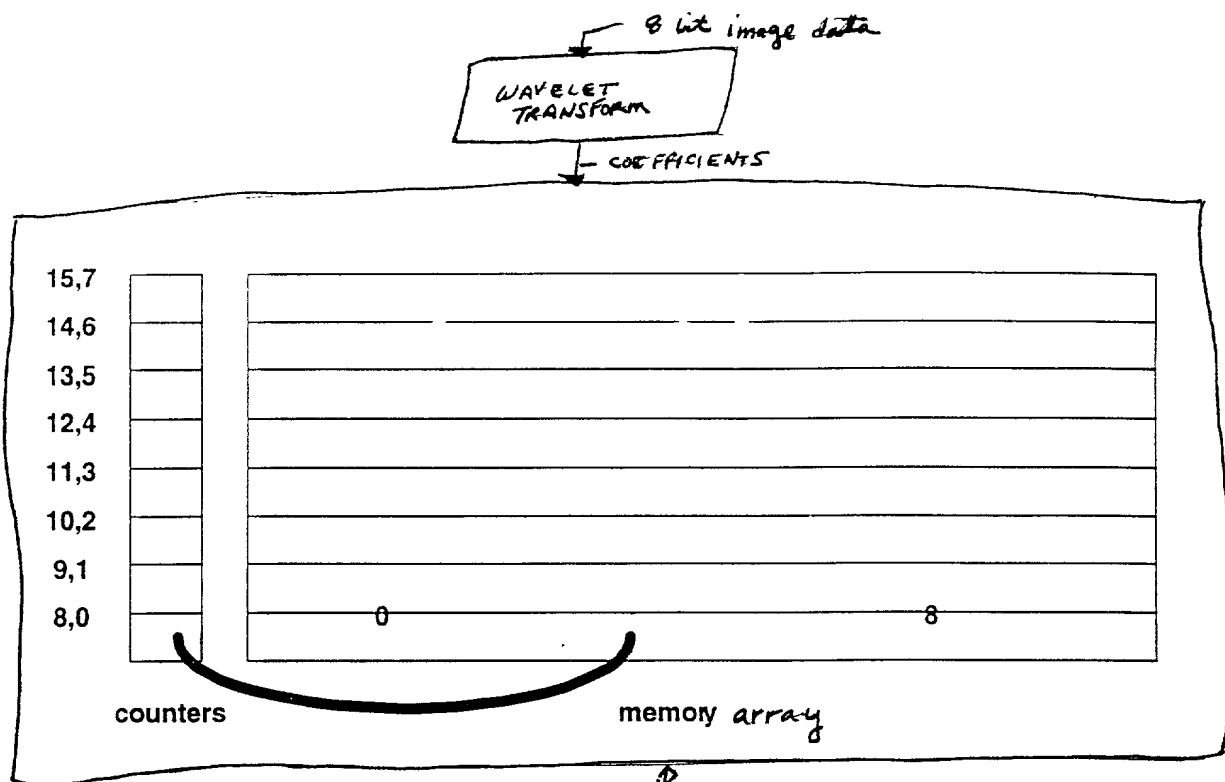
[illegible]

Figure 22A

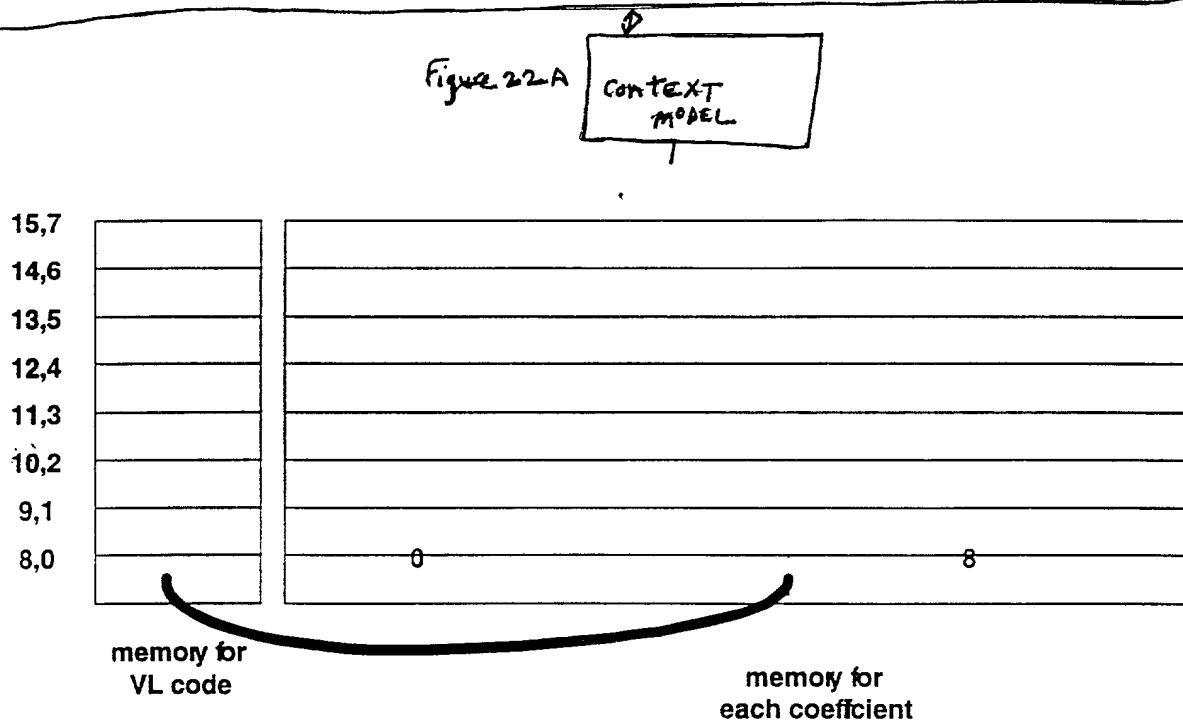


Figure 23

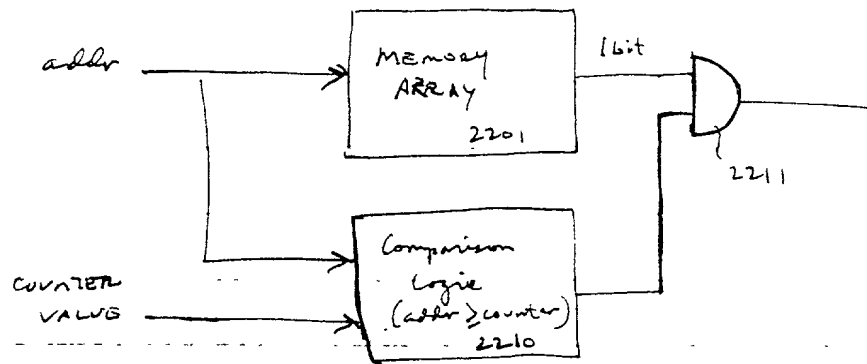
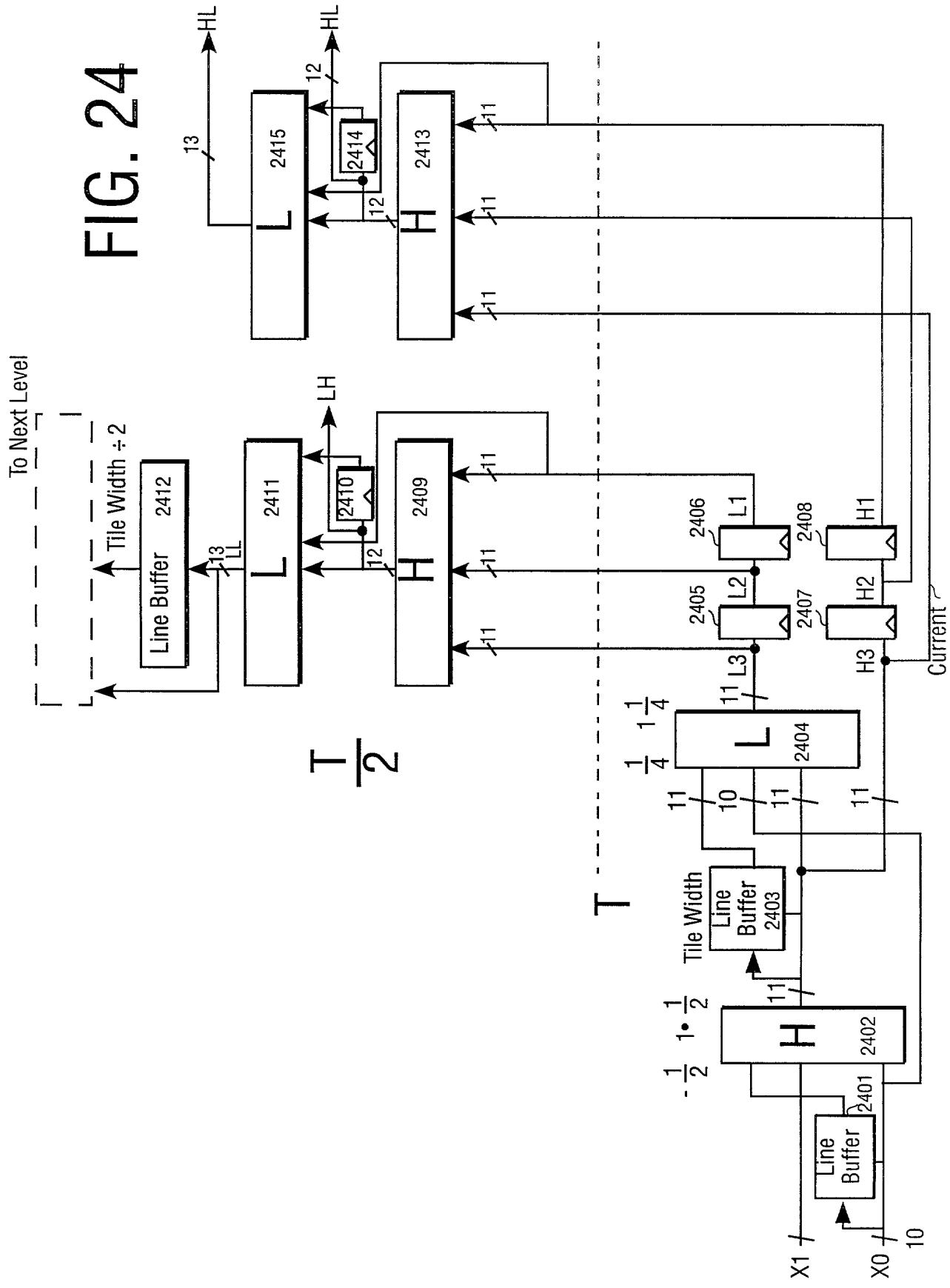


Figure 22B

FIG. 24



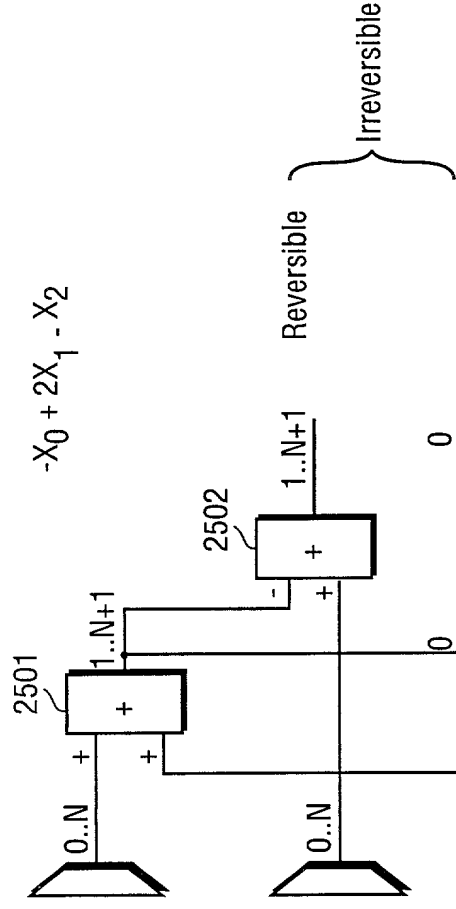


FIG. 25A

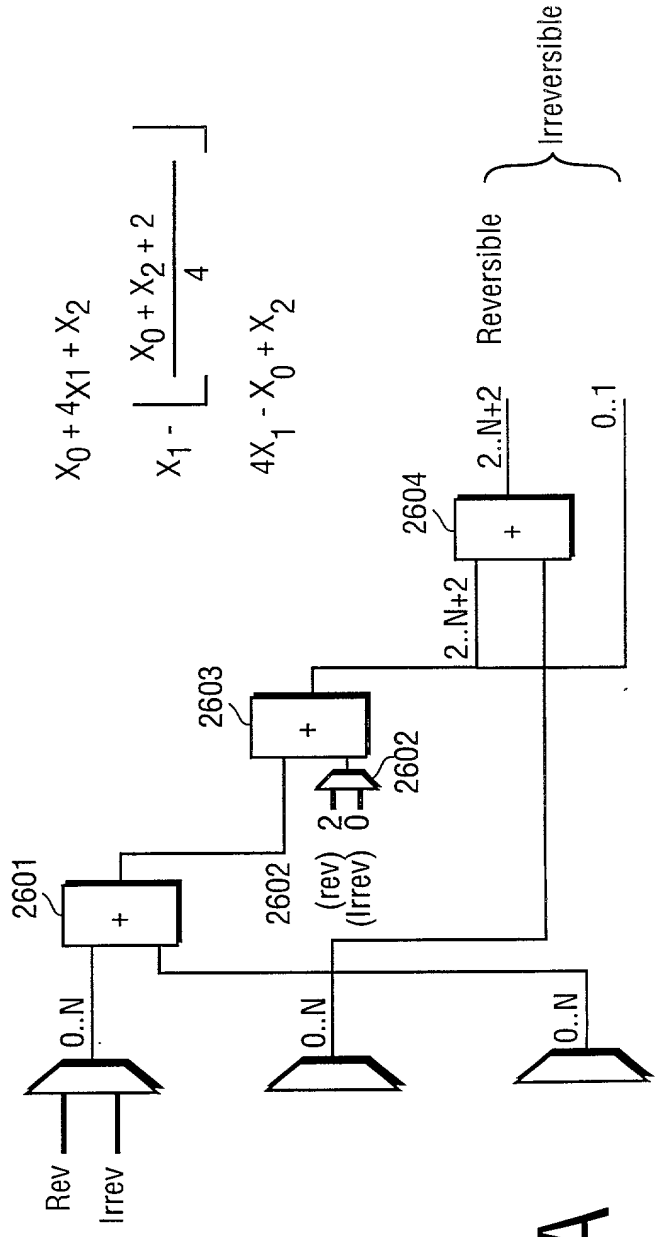
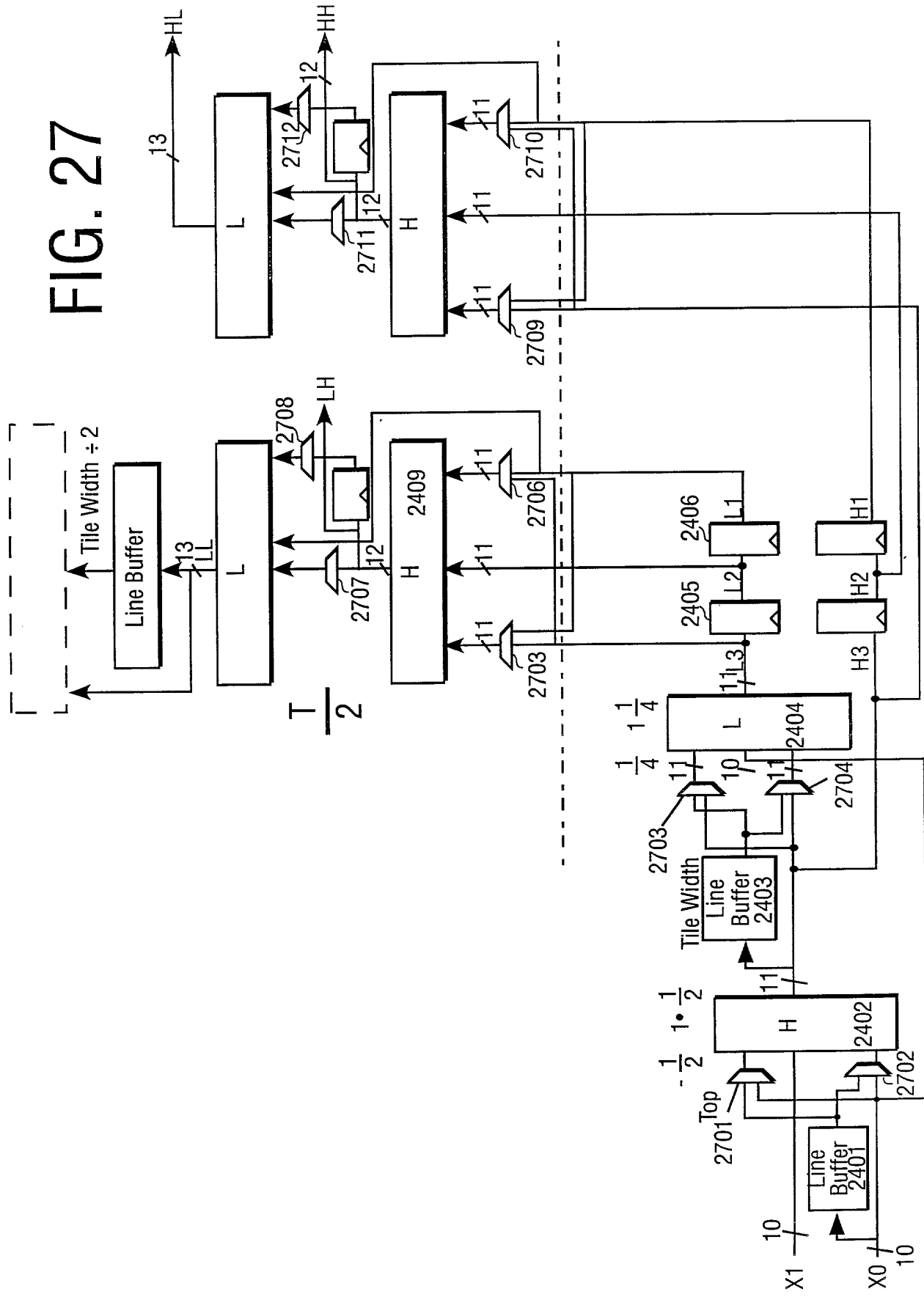


FIG. 26A



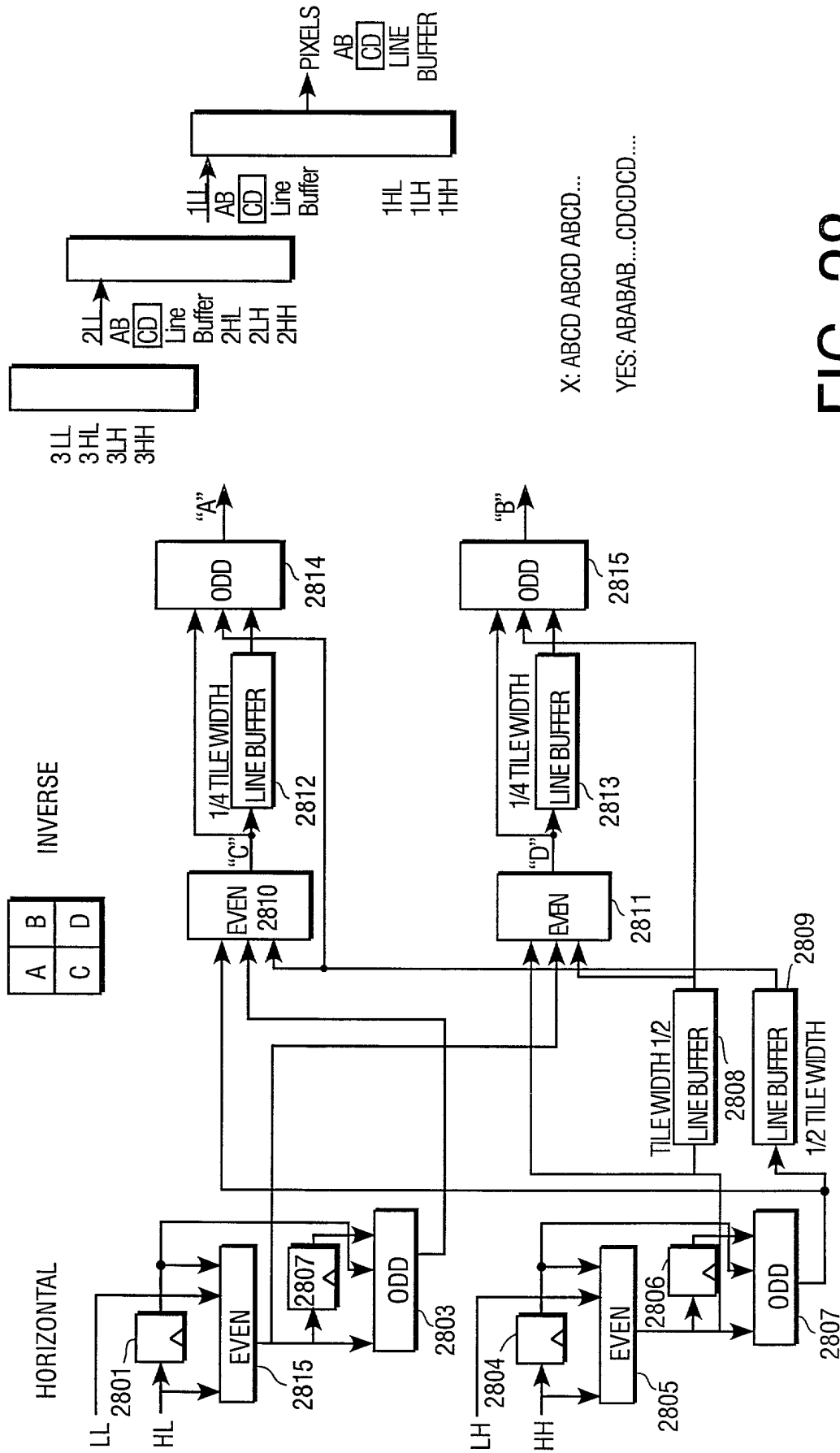


FIG. 28

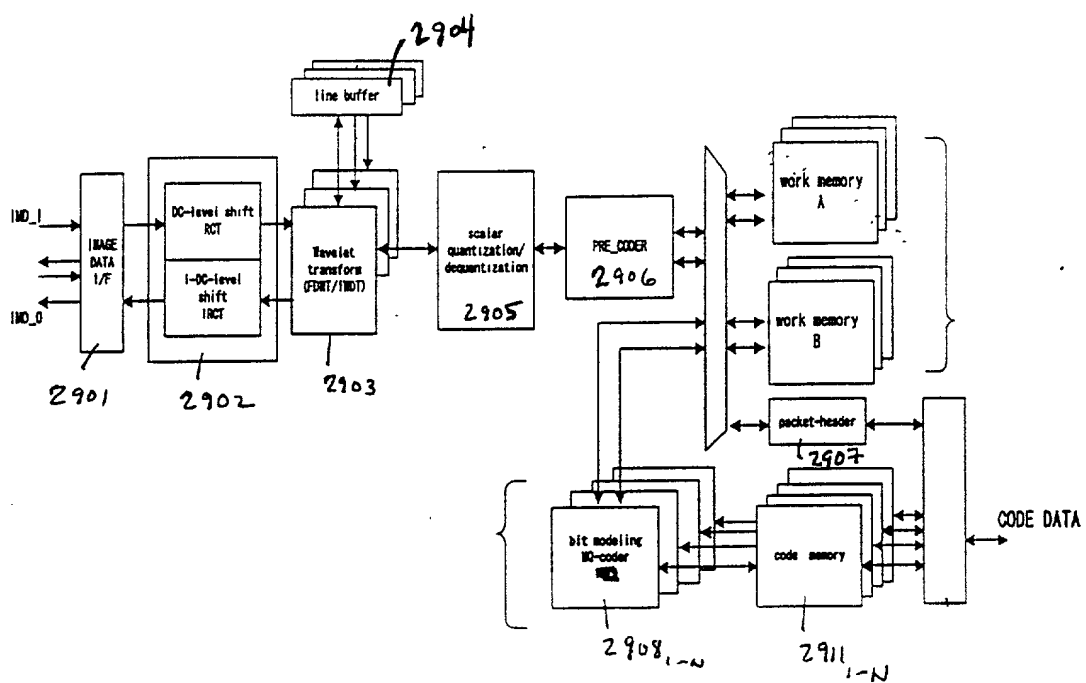


Figure 29

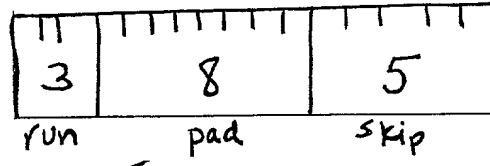


Figure 30

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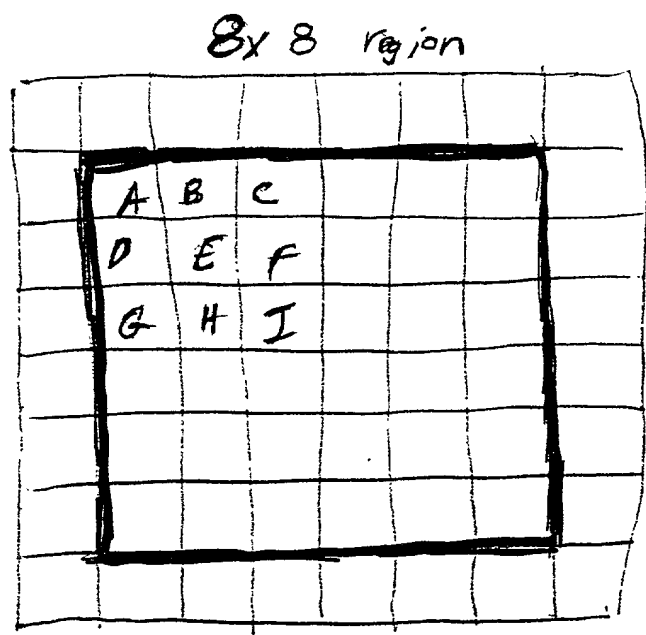


Figure 31

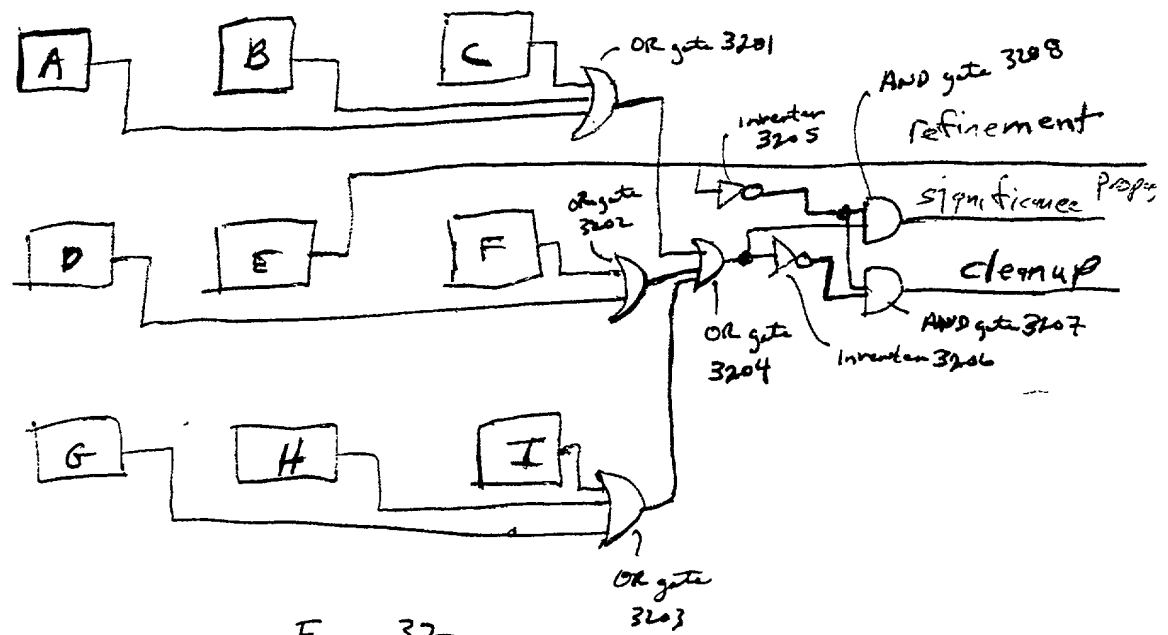


Figure 32